

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/011582

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B37/02 G21K1/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C01B G21K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	S. BESSON, C. RICOLLEAU, T. GACOIN, C. JACQUIOD, J-P. BOILOT: "A New 3D Organization of Mesopores in Oriented CTAB Silica Films" JOURNAL OF PHYSICAL CHEMISTRY B, vol. 104, no. 51, , pages 12095-12097, XP002304393 the whole document	1,5,15
A	----- -/--	2-4, 6-13,16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

18/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Rhodes, K

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/011582

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	D. GROSSO, A. R. BALKENENDE, P. A. ALBOUY, M. LAVERGNE, L. MAZEROLLES, F. BABONNEAU: "Highly oriented 3D-hexagonal silica thin films produced with cetyltrimethylammonium bromide" JOURNAL OF MATERIALS CHEMISTRY, vol. 10, no. 9, 25 August 2000 (2000-08-25), pages 2085-2089, XP002304394	1,5,15
A	the whole document	2-4, 6-13,16
X	US 2003/012931 A1 (KURODA KAZUYUKI ET AL) 16 January 2003 (2003-01-16) claims 24-33 paragraphs '0038! - '0073!	16
A	figure 1b; examples	1-15
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 03, 5 May 2003 (2003-05-05) & JP 2002 338229 A (CANON INC), 27 November 2002 (2002-11-27)	16
A	abstract	1-15
P,X	WO 2004/015167 A (CANON KK ; OGAWA MIKI (JP)) 19 February 2004 (2004-02-19) claims 1,4,7,9-13,16,17 page 4, line 9 - page 5, line 14 page 10, line 20 - page 13, line 6 page 16, line 3 - page 17, line 25 page 21, line 26 - page 22, column 10 page 28, lines 12-27 figure 6; examples	16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011582

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003012931	A1	16-01-2003	JP	2001058812 A	06-03-2001
JP 2002338229	A	27-11-2002	NONE		
WO 2004015167	A	19-02-2004	JP	2004091318 A	25-03-2004
			WO	2004015167 A2	19-02-2004